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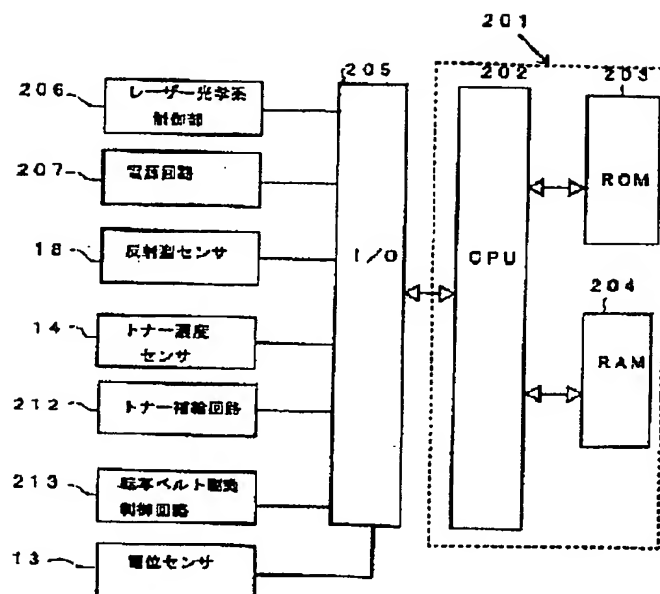
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TITLE : IMAGE FORMING DEVICE



ABSTRACT : PROBLEM TO BE SOLVED: To stably control various potentials in an image formation based on a linear approximate expression by changing the forming condition of the following reference image according to the linear approximate expression calculated on the basis of the measurement data of surface potential and toner adhesion quantity within a section having a high measuring precision of toner adhesion quantity.

SOLUTION: The control system of a color copying machine, for example, is formed of a main control part 201 and a plurality of peripheral control parts, and the main control part 201 is formed of CPU 202, ROM 203, RAM 204 and the like. In such an image forming device, the section in which toner adhesion quantity is linearly changed to development potential is calculated on the basis of the measurement data of potential and toner adhesion quantity after development of a plurality of reference latent images formed on a photoreceptor, and a linear approximate expression is calculated on the basis of the data of a section having a high measuring precision of toner adhesion quantity. When the developing characteristic is changed, the optical writing light quantity of the latent image is changed according to the linear approximate expression so that the measurement data of toner adhesion quantity gets into the section having a high measuring precision.

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